

Title (en)
Lifting and lowering mechanism for a ballast tamping unit

Title (de)
Hebe- und Absenkmechanismus für eine Schotterstopfeinheit

Title (fr)
Mécanisme de montée/descente pour unité de bourrage de ballast

Publication
EP 1233108 B1 20030924 (FR)

Application
EP 02356027 A 20020213

Priority
FR 0102009 A 20010214

Abstract (en)
[origin: EP1233108A1] The mechanism (14) ensures the rise/fall movement of the packing head (4) in a rail track packing unit. The mechanism comprises a vertical hydraulic actuator (15) with one end articulated (18) to the unit chassis (1) and the other end articulated to an intermediate point (20) of a connecting rod (16). One end of the connecting rod is articulated (22) to a crank (17) and the other end is articulated (21) to the packing head support (3) which is itself mounted on a linear vertical guide (2). There is also an activator travel amplifier (C1).

IPC 1-7
E01B 27/16

IPC 8 full level
E01B 27/16 (2006.01)

CPC (source: EP)
E01B 27/16 (2013.01)

Cited by
CN112962365A; CN102031734A; WO2020083584A1

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